

Exhibit 9 – Measured Data Index

Motorola Customer Premise Equipment (CPE)

FCC ID: MIJTELCPE-USB-01

Telaxis Model No. XCV-31-UB1H-R2

9.0 Measured Data Index

9.1 *RF Output Measured Data*

9.1.1 Transmitter Output Power

The CPE Data transmitter has a normal output power range from –20dBm to +12dBm. At saturation, the output power is typically +24dBm. The CPE Data transmitter was operated at its saturation output level.

9.1.2 Effective Isotropic Radiated Power (EIRP)

The calculated EIRP based on the saturated output power of the CPE is:

$$\text{Power (sat.)} = +24\text{dBm} = -6 \text{ dBW}$$

$$\text{Antenna Gain} = 35 \text{ dBi}$$

$$\text{EIRP} = -6 + 35 = 29 \text{ dBW}$$

Based on a occupied bandwidth of 2.88 MHz, the EIRP referenced to a 1 MHz bandwidth is 24.4 dBW/MHz.

9.2 Occupied Bandwidth Graphs

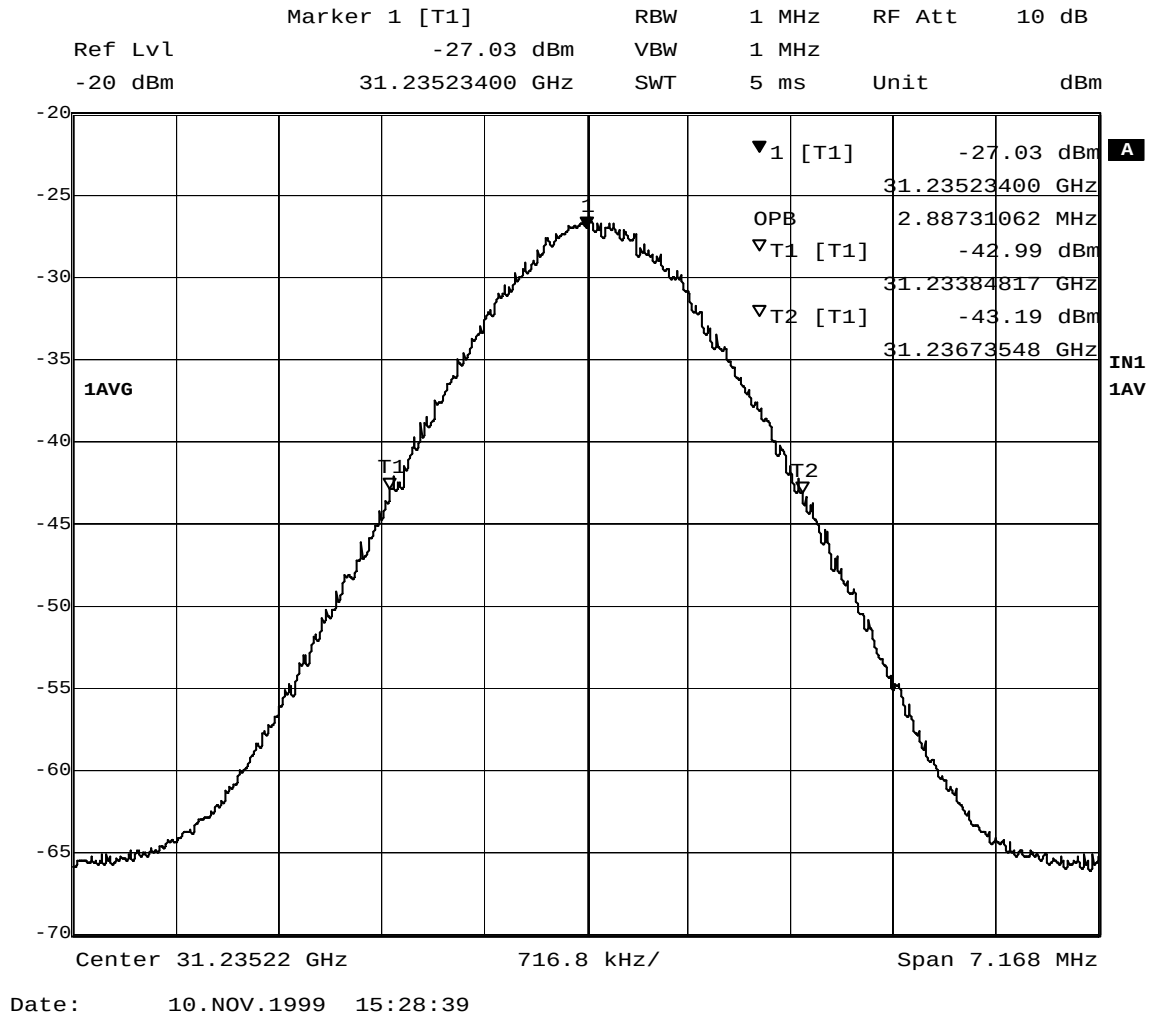


Figure 9.2-1 CPE Data Occupied Bandwidth Graph

9.3 FCC Radiated Spurious Emissions Graphs

Emission Frequency (GHz)	Received Power Level (dBμV)	Measurement Bandwidth	Cable Loss * (dB)	Antenna Factor (dB)	Radiated Emission Level (dBμV/m/4kHz BW)	Limit Level (dBμV/m/4kHz BW)	Comments	dB above the limit
31.2353	106.39	1 MHz	6	35.9	148.3	n/a	CPE Data Carrier - Level not corrected to 4kHz BW	
31.2080	45.26	1 kHz	7	35.9	88.2	107.5	Spurious Emission - CW signal not corrected to 1MHz BW	Pass
62.4706	20	3 kHz	1	43.3	66.8	111.3	2nd Harmonic - no emission detected; receiver noise floor	Pass
93.7059	25	3 kHz	1	46.8	75.3	111.3	3rd Harmonic - no emission detected; receiver noise floor	Pass

* Cable loss above 40 GHz is for external mixer IF (221MHz) cable loss.

** All other emissions greater than 20 dB below the specification were not reported

*** Spectrum search performed from 30 MHz to 100 GHz

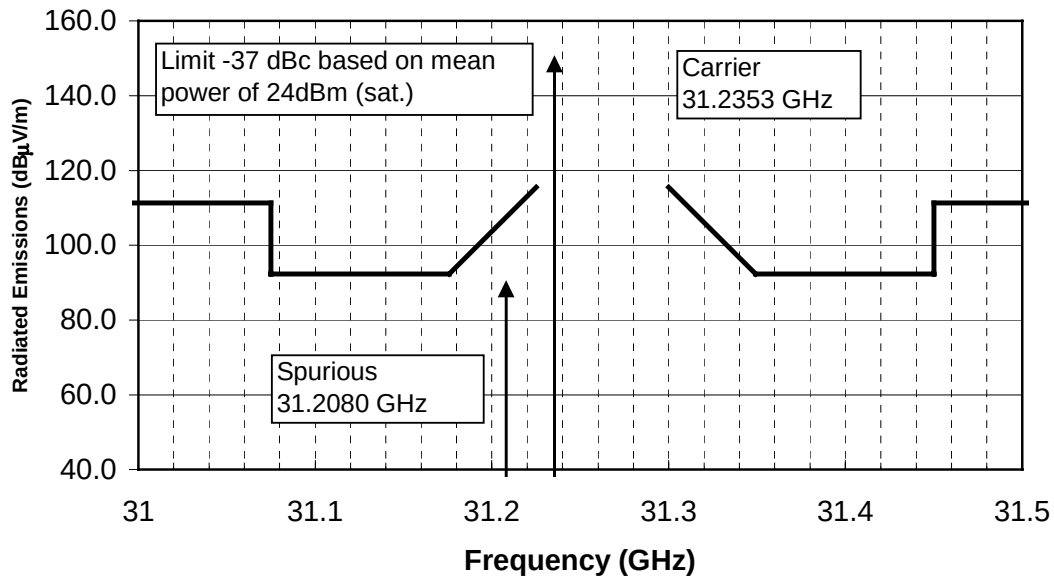


Figure 9.3-1 CPE Data radiated spurious emissions

9.4 Frequency Stability vs Temperature and Voltage

The CPE was tested for frequency stability over a temperature range of -30° to $+50^{\circ}$ C and an input supply voltage of $\pm 15\%$ at its saturated output power (+24dBm). See Table 9.4-1 for actual test data and Figure 9.4-1 for a graphical presentation of the stability data for the CPE Data carrier.

Table 9.4-1 Frequency Stability Test Data – CPE Data

f_0	31.235220 GHz		% Error		FCC Limit
$^{\circ}\text{C}$	f @ -15% rated voltage in GHz	f @ +15% rated voltage in GHz	% Error @ -15% rated voltage	% Error @ +15% rated voltage	
-30	31.23522040	31.23522033	0.00000128%	0.00000106%	0.001%
-20	31.23522033	31.23522037	0.00000106%	0.00000118%	0.001%
-10	31.23522027	31.23522030	0.00000086%	0.00000096%	0.001%
0	31.23522040	31.23522033	0.00000128%	0.00000106%	0.001%
10	31.23522027	31.23522040	0.00000086%	0.00000128%	0.001%
20	31.23522027	31.23522030	0.00000086%	0.00000096%	0.001%
30	31.23522033	31.23522027	0.00000106%	0.00000086%	0.001%
40	31.23522033	31.23522033	0.00000106%	0.00000106%	0.001%
50	31.23522030	31.23522033	0.00000096%	0.00000106%	0.001%

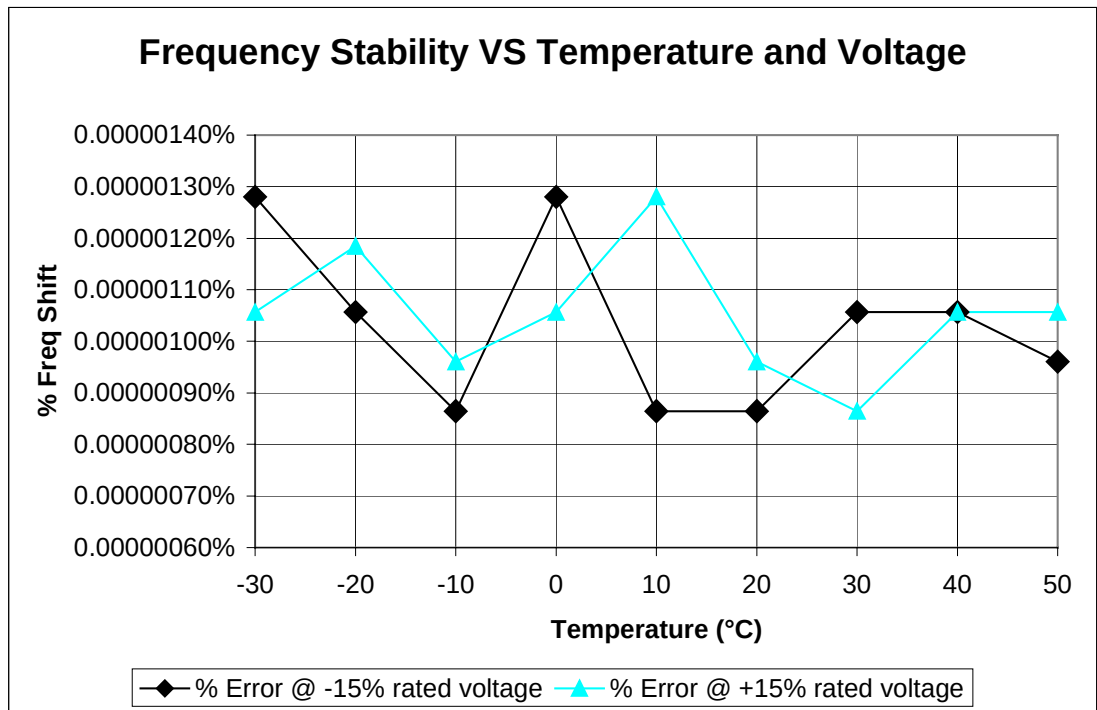


Figure 9.4-1 Frequency Stability Graph – CPE Data